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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/800,971	03/16/2004	Hiromichi Takami	008312-0308794	1443

909 7590 07/26/2006

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EXAMINER
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BLOUIN, MARK S

ART UNIT	PAPER NUMBER
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2627

DATE MAILED: 07/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/800,971	<b>Applicant(s)</b> TAKAMI, HIROMICHI	
	<b>Examiner</b> Mark Blouin	<b>Art Unit</b> 2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>4/25/05&amp;12/19/05</u> . | 6) <input type="checkbox"/> Other: ____.  |

## **Detailed Action**

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-13 rejected under 35 U.S.C. 103(a) as being unpatentable over Johnson et al (5,905,606).
3. Regarding Claims 1,5, and 10, Johnson et al shows (Figs. 1-3) an in-vehicle electronic equipment, comprising: a head having a read element reading information from a disc recording medium (Figure 1); and a head stopper (50) configured to limit a moving range of the head and formed of a resin containing a hydrolyzable group (Col 7, line 30), but does not show an amount not more than 0.7 mole per 100g.

However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the hydrolyzable group of Johnson et al with the claimed amounts of not more than 0.7 mole per 100g through routine experimentation and optimization in the absence of criticality.

4. Regarding Claims 2,6, and 11, Johnson et al shows (Figs. 1-3) the head stopper, wherein the head stopper is formed of a resin containing a hydrolyzable group in an amount not more than 0.05 mole of per 100g.

However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the hydrolyzable group of Johnson et al with the claimed amounts

of not more than 0.05 mole per 100g through routine experimentation and optimization in the absence of criticality.

5. Regarding Claims 3,7, and 12, Johnson et al shows (Figs. 1-3) the head stopper, wherein the resin is selected from the group consisting of a polyester elastomer, a styrene-ethylene-butylene-styrene block copolymer, and an elastomer-added polyacetal (Col 7, line 33).

6. Regarding Claims 4,8,9, and 13, Johnson et al shows (Figs. 1-3) the head stopper (50) is used as an outer stopper configured to limit movement of the head to an outer position across an unloading area from a loading position on the magnetic disc, but does not show the rebound resilience not higher than 60.

However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the head stopper of Johnson et al with the claimed rebound resilience not higher than 60 through routine experimentation and optimization in the absence of criticality.

### ***Conclusion***

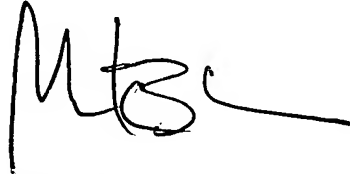
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Blouin whose telephone number is 571-272-7583. The examiner can normally be reached on M-F from 6:00 to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Nguyen, can be reached on 571-272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'MBlouin', with a long horizontal stroke extending to the right.

Mark Blouin  
Patent Examiner  
Art Unit 2653  
July 19, 2006